

US-10-049-868a-1 (1-359) x US-09-171-945-17 (1-235)

QY 1 GACATTGAGCTCACCAGTCTCCAGCAATCATGTGATCTCCAGGGAGAGAGGTCACC 60  
 Db 23 AspIleGluLeuThrGlnSerProAlaIleMetSerAlaSerProGlyGluValThr 42  
 QY 61 ATACCTGAGCTGAGCTTAACTTTAATTAATGATGATGCTTCCAGAGAGACGGC 120  
 Db 43 IleThrCysSerAlaSerSerValThrMetHisTrpPheGlnGlnIleProGly 62  
 QY 121 ACCCTCCCAAGAAAGATTATGACACATCCMACTGGCTTCTGAGTCCCTGCTGC 180  
 Db 63 ThrSerProLysLeuTrpIleTyrSerThrSerHisLeuAlaSerGlyValProAlaArg 82  
 QY 181 CTCAGTGGAGCTGGTGTCTGGACAGAAATCACCTCGGAATAGTAGAGTGAAGGCTGAG 240  
 Db 83 PheSerGlySerGlySerGlyTrpSerTrpSerLeuThrIleSerArgMetGlnAlaGln 102  
 QY 241 GATGTGGGTGTGATTACTGTCTCAACAACCTGTAGAGTATCCGCTCAGCTTGGTCTGG 300  
 Db 103 AspAlaAlaThrTyrTyrCysGlnGlnArgSerThrTyrProLeuThrPheGlyValAlaGly 122  
 QY 301 ACCAAGCTGAGCTGAAACGGGCTGATGCTGACCACTGATTCATCTTC 351  
 Db 123 ThrLysLeuGlnIleLysArgThrValAlaAlaProSerValPheIlePhe 139

# RESULT 2

5455030-3  
 Patent No. 5455030  
 APPLICANT: LADNER, ROBERT C.; BIRD, ROBERT E.; HARDMAN, KARL  
 TITLE OF INVENTION: IMMUNOTHERAPY USING SINGLE CHAIN  
 POLYPEPTIDE BINDING MOLECULES  
 NUMBER OF SEQUENCES: 24  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/40,440  
 FILING DATE: 1-APR-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 512,910  
 FILING DATE: 25-APR-1990  
 APPLICATION NUMBER: 299,617  
 FILING DATE: 19-JAN-1989  
 APPLICATION NUMBER: 92,110  
 FILING DATE: 02-SEP-1987  
 APPLICATION NUMBER: 902,971  
 FILING DATE: 01-SEP-1986  
 SEQ ID NO: 3  
 LENGTH: 215  
 5455030-3

# Alignment Scores:

Pred. No.: 3,01e-45 Length: 215  
 Score: 445.00 Matches: 90  
 Percent Similarity: 82.76% Conservative: 6  
 Best Local Similarity: 77.59% Mismatches: 18  
 Query Match: 66.02% Indels: 2  
 DB: 6 Gaps: 1

US-10-049-868a-1 (1-359) x 5455030-3 (1-215)

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 QY 70 AGTGGCAGCTCAAGTGT-----AATTACATGCACTGCTTCCACAGAGAGCGGCGCC 123  
 Db 24 ArgAlaSerSerSerValSerSerTyrLeuHisTrpPheGlnGlnIleLysSerGlyVal 43  
 QY 124 TTCGCCAAAGAAAGATTATGACACATCCAACTGGCTTCTGAGTCCCTGCTGCTC 183  
 Db 44 SerProLysLeuTrpIleTyrSerThrSerHisLeuAlaSerGlyValProAlaArgPhe 63  
 QY 184 AGTGGCAGTGGTCTGGACAGAAATTCACCTCGGAATCAGTAGAGTGAAGCTGAGAT 243

# RESULT 3

US-08-303-569B-5  
 Sequence 5, Application US/08303569B  
 Patent No. 5859205  
 GENERAL INFORMATION:  
 APPLICANT: Adair, John R.  
 APPLICANT: Achwal, Diljeet S.  
 APPLICANT: Emage, John S.  
 TITLE OF INVENTION: Humanised Antibodies  
 NUMBER OF SEQUENCES: 31  
 CORRESPONDENCE ADDRESS:  
 ADDRESSER: Woodcock Washburn Kurtz Mackiewicz & No. 5859205-15  
 STREET: One Liberty Place - 46th Floor  
 CITY: Philadelphia  
 STATE: PA  
 COUNTRY: USA  
 ZIP: 19103

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/303,569B  
 FILING DATE: 07-SEP-1994  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Trujillo, Doreen Yanko  
 REGISTRATION NUMBER: 35,719  
 REFERENCE/DOCKET NUMBER: CARP-0032  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (215) 568-3100  
 TELEFAX: (215) 568-3439  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 215 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: Protein  
 US-08-303-569B-5

# Alignment Scores:

Pred. No.: 3,11e-45 Length: 235  
 Score: 445.00 Matches: 87  
 Percent Similarity: 83.62% Conservative: 10  
 Best Local Similarity: 75.00% Mismatches: 19  
 Query Match: 66.02% Indels: 0  
 DB: 2 Gaps: 0

US-10-049-868a-1 (1-359) x US-08-303-569B-5 (1-235)

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 Db 24 IleValLeuThrGlnSerProAlaIleMetSerAlaSerProGlyGluValThrMet 43  
 QY 64 ACCCTGAGCTGAGCTTAACTTTAATTAATGATGATGCTTCCAGAGAGTCCGCGACC 123  
 Db 44 ThrCysSerAlaSerSerSerValSerSerTyrMetAsnTrpTyrGlnGlnIleLysSerGlyThr 63  
 QY 124 TTCGCCAAAGAAAGATTATGACACATCCAACTGGCTTCTGAGTCCCTGCTGCTC 183  
 Db 64 SerProLysLeuTrpIleTyrSerThrSerHisLeuAlaSerGlyValProAlaArgPhe 83

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: October 13, 2004, 12:49:03 ; Search time 28.2625 Seconds  
(without alignments)  
279.234 Million cell updates/sec

Title: US-10-049-868A-3

Perfect score: 606  
Sequence: 1 DIETLOSPALMSASPGKXT.....GTEKLEKADAPTVSIFPL 119

Scoring table: ELOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

#### Database:

Issued\_Patents\_AA:\*  
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3: /cgn2\_6/prodata/1/aa/5A\_COMB.pep:\*  
4: /cgn2\_6/prodata/1/aa/5B\_COMB.pep:\*  
5: /cgn2\_6/prodata/1/aa/PCTUS\_COMB.pep:\*  
6: /cgn2\_6/prodata/1/aa/backfillseq1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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1	458	75.6	235	3 US-09-171-945-17	Sequence 17, Appl
2	445	73.4	235	6 5455030-3	Patent No. 5455030
3	445	73.4	235	2 US-08-103-5698-5	Sequence 5, Appl
4	445	73.4	235	2 US-08-116-247-5	Sequence 5, Appl
5	445	73.4	235	4 US-09-195-515-5	Sequence 5, Appl
6	445	73.4	235	4 US-09-348-224-5	Sequence 5, Appl
7	444	73.3	255	3 US-09-553-498-8	Sequence 8, Appl
8	444	73.3	255	4 US-09-618-869-8	Sequence 8, Appl
9	443.5	73.2	213	2 US-08-737-129A-4	Sequence 4, Appl
10	439	72.4	108	3 US-09-171-945-9	Sequence 9, Appl
11	427	70.5	256	4 US-09-526-738A-2	Sequence 2, Appl
12	427	70.5	258	4 US-09-526-738A-4	Sequence 4, Appl
13	426	70.3	270	2 US-08-652-507-2	Sequence 2, Appl
14	426	70.3	553	2 US-08-651-052-16	Sequence 16, Appl
15	426	70.3	553	3 US-09-188-082-16	Sequence 16, Appl
16	426	70.3	553	3 US-09-364-088-16	Sequence 16, Appl
17	425	70.3	553	3 US-09-102-716-16	Sequence 16, Appl
18	425	70.1	223	2 US-08-190-199A-63	Sequence 63, Appl
19	425	70.1	235	3 US-09-423-439-58	Sequence 58, Appl
20	425	70.1	235	4 US-09-011-769A-23	Sequence 23, Appl
21	425	70.1	236	2 US-08-190-199A-65	Sequence 65, Appl
22	424	70.0	222	2 US-08-190-199A-67	Sequence 67, Appl
23	424	70.0	235	2 US-08-190-199A-61	Sequence 61, Appl
24	420	69.3	106	2 US-08-956-047-31	Sequence 31, Appl
25	420	69.3	128	2 US-08-956-047-31	Sequence 31, Appl
26	420	69.3	240	2 US-08-956-047-25	Sequence 25, Appl
27	420	69.3	281	3 US-09-423-439-44	Sequence 44, Appl

28	420	69.3	666	3 US-09-423-439-51	Sequence 51, Appl
29	417	68.8	108	4 US-09-948-004-28	Sequence 28, Appl
30	417	68.8	495	4 US-09-948-004-18	Sequence 18, Appl
31	414	68.3	103	1 US-08-467-393-4	Sequence 4, Appl
32	414	68.3	144	4 US-08-318-786-29	Sequence 29, Appl
33	413	68.2	129	2 US-08-116-7788-2	Sequence 2, Appl
34	413	68.2	129	2 US-08-488-562-2	Sequence 2, Appl
35	413	68.2	129	2 US-08-483-5288-92	Sequence 92, Appl
36	413	68.2	242	2 US-08-553-497A-28	Sequence 28, Appl
37	410.5	67.7	107	1 US-07-942-245-3	Sequence 3, Appl
38	409.5	67.6	110	3 US-08-836-561-33	Sequence 33, Appl
39	409.5	67.6	110	4 US-09-434-122-33	Sequence 33, Appl
40	409	67.5	106	3 US-08-397-411-9	Sequence 9, Appl
41	409	67.5	599	1 US-08-463-163-3	Sequence 3, Appl
42	408	67.3	100	2 US-08-308-494A-19	Sequence 19, Appl
43	408	67.3	106	1 US-07-634-278-1	Sequence 1, Appl
44	408	67.3	106	1 US-07-634-278-16	Sequence 16, Appl
45	408	67.3	106	1 US-08-477-728-1	Sequence 1, Appl

#### ALIGNMENTS

RESULT 1  
US-09-171-945-17  
Sequence 17, Application US/09171945  
Patent No. 6275599  
GENERAL INFORMATION:  
APPLICANT: Emery, Stephen  
APPLICANT: Copley, Clive Graham  
APPLICANT: Edge, Michael Derek  
TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said  
TITLE OF INVENTION: Antibody, and Their Therapeutic Use in an Adept System  
FILE REFERENCE: Monoclonal Antibody to CEA  
CURRENT APPLICATION NUMBER: US/09/171,945  
CURRENT FILING DATE: 1998-10-28  
PRIOR APPLICATION NUMBER: GB9703103.3  
PRIOR FILING DATE: 1997-02-14  
PRIOR APPLICATION NUMBER: GB9609405.7  
PRIOR FILING DATE: 1996-05-04  
PRIOR APPLICATION NUMBER: PCT/GB97/01165  
PRIOR FILING DATE: 1997-04-29  
NUMBER OF SEQ ID NOS: 131  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 17  
LENGTH: 235  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: humanized  
US-09-171-945-17  
Query Match  
Best Local Similarity 75.6%; Pred. No. 1.2e-41;  
Matches 90; Conservative 8; Mismatches 19; Indels 0; Gaps 0;  
Cy : 1 DIETLOSPALMSASPGKXTMTCSASSVNMWFOESGTFPPKRIYDTSKLASGVPAR 60  
Db : 23 DIETLOSPALMSASPGKXTMTCSASSVNMWFOESGTFPPKRIYDTSKLASGVPAR 82  
Cy : 61 LSGSGSGTEFLERKAEDEVGYVYCOQLVEYLTGAGTKLEKADAPTVSIF 117  
Db : 83 FSGSGSGTSYLTIRKAEDEVGYVYCOQLVEYLTGAGTKLEKADAPTVSIF 139  
RESULT 2  
5455030-3  
Patent No. 5455030  
APPLICANT: LADNER, ROBERT C.; BIRD, ROBERT E.; HARDMAN, KARL  
TITLE OF INVENTION: IMMUNOTHERAPY USING SINGLE CHAIN  
POLYPEPTIDE BINDING MOLECULES  
NUMBER OF SEQUENCES: 24  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/40,440  
FILING DATE: 1-APR-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 512,910  
FILING DATE: 25-APR-1990  
APPLICATION NUMBER: 299,617  
FILING DATE: 19-JAN-1989  
APPLICATION NUMBER: 92,110  
FILING DATE: 02-SEP-1987  
APPLICATION NUMBER: 902,971  
FILING DATE: 01-SEP-1986  
SEQ ID NO: 3  
LENGTH: 215  
5455030-3

Query Match 73.4%; Score 445; DB 6; Length 215;  
Best Local Similarity 77.6%; Pred. No. 2,8e-40;  
Matches 90; Conservative 6; Mismatches 18; Indels 2; Gaps 1;

QY 4 LTQSPALMSASPGKVTMTCSASSV-NYMHFQESGTFPKRIYDTSKLASGVPAFL 61  
DB 4 LTQSPALMSASPGKVTMTCSASSVSYVMWYQKSTSPKRIYDTSKLASGVPAHF 63  
QY 62 SSGSGSTFTLEISRKADVGYYCCQLVEYPLTFGAGTKLELRADAAPTWSIF 117  
DB 64 SSGSGSTYSYLTISGMEADATYYCQWSSNPFTFGSGTKLEINRADTAPTWSIF 119

RESULT 3  
US-08-303-569B-5  
Sequence 5, Application US/08303569B  
Patent No. 5659205  
GENERAL INFORMATION:  
APPLICANT: Adair, John R.  
APPLICANT: Emtage, John S.  
TITLE OF INVENTION: Humanised Antibodies  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESSES:  
ADDRESSER: Woodcock Washburn Kurtz Mackiewicz & No. 5659205ris  
STREET: One Liberty Place - 46th Floor  
CITY: Philadelphia  
STATE: PA  
COUNTRY: PA  
ZIP: 19103  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/303,569B  
FILING DATE: 07-SEP-1994  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Trujillo, Doreen Yanko  
REGISTRATION NUMBER: 35,719  
REFERENCE/DOCKET NUMBER: CARP-0032  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (215) 568-3100  
TELEFAX: (215) 568-3439  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 235 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-303-569B-5

Query Match 73.4%; Score 445; DB 2; Length 235;  
Best Local Similarity 75.0%; Pred. No. 3.1e-40;  
Matches 87; Conservative 10; Mismatches 19; Indels 0; Gaps 0;

QY 2 IELTQSPALMSASPGKVTMTCSASSVNYMHFQESGTFPKRIYDTSKLASGVPAFL 61  
DB 24 IELTQSPALMSASPGKVTMTCSASSVSYVMWYQKSTSPKRIYDTSKLASGVPAHF 83  
QY 62 SSGSGSTFTLEISRKADVGYYCCQLVEYPLTFGAGTKLELRADAAPTWSIF 117  
DB 84 SSGSGSTYSYLTISGMEADATYYCQWSSNPFTFGSGTKLEINRADTAPTWSIF 139

RESULT 4  
US-08-116-247-5  
Sequence 5, Application US/08116247  
Patent No. 5929212  
GENERAL INFORMATION:  
APPLICANT: Jolliffe, Linda K.  
APPLICANT: Zivin, Robert A.  
APPLICANT: Adair, John R.  
APPLICANT: Emtage, John S.  
TITLE OF INVENTION: CD3 Specific Recombinant Antibody  
NUMBER OF SEQUENCES: 29  
CORRESPONDENCE ADDRESSES:  
ADDRESSER: Woodcock Washburn Kurtz Mackiewicz & No. 5929212ris  
STREET: One Liberty Place - 46th Floor  
CITY: Philadelphia  
STATE: PA  
COUNTRY: USA  
ZIP: 19103  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/116,247  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/743,377  
FILING DATE: 10-OCT-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Paintin, Francis A.  
REGISTRATION NUMBER: 19,386  
REFERENCE/DOCKET NUMBER: CARP-0011  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (215) 568-3439  
TELEFAX: (215) 568-3100  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 235 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-116-247-5

Query Match 73.4%; Score 445; DB 2; Length 235;  
Best Local Similarity 75.0%; Pred. No. 3.1e-40;  
Matches 87; Conservative 10; Mismatches 19; Indels 0; Gaps 0;

QY 2 IELTQSPALMSASPGKVTMTCSASSVNYMHFQESGTFPKRIYDTSKLASGVPAFL 61  
DB 24 IELTQSPALMSASPGKVTMTCSASSVSYVMWYQKSTSPKRIYDTSKLASGVPAHF 83  
QY 62 SSGSGSTFTLEISRKADVGYYCCQLVEYPLTFGAGTKLELRADAAPTWSIF 117  
DB 84 SSGSGSTYSYLTISGMEADATYYCQWSSNPFTFGSGTKLEINRADTAPTWSIF 139

RESULT 5  
US-09-795-515-5  
Sequence 5, Application US/09795515  
Patent No. 6632927  
GENERAL INFORMATION:  
APPLICANT: Adair, John R.

1	STRANDEDNESS: single		
1	TOPOLOGY: linear		
1	US-08-973-518-4		
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	Pred. No.:	8.92e-59	Length: 140
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	Percent Similarity:	88.43%	Conservative: 4
	Best Local Similarity:	85.12%	Mismatches: 13
	Query Match:	78.97%	Indels: 1
	DB:	3	Gaps: 1
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Db	21 GltValGltMetuysgluSerGlyProGlyLeuValAlaProSerGlnSerLeuSerIle	40	
Qy	61 ACTTGCACTGCTCTCTGGGATTTTCATTAAACAGATTTGGTGGTACACTGGGCTGGCCAGCCT	120	
Db	41 ThnCysThrValSerGlyPheSerSerLeuThrSerTyrGlyValHisThrValArgGlnPro	60	
Qy	121 CCAGCAAAAGGGCTTGGAGTGGCTGGGAGTGAATATGACTGGTGGAGGACCAATTAAT	180	
Db	61 ProGlyLysSerLysLeuIleuThrPheGlyValIleThrPalArgLysSerIleAsnTyrAsn	80	
Qy	181 TCGGCTCTCATGTCGCAGACTGCATACACAAAGCAACTCCAAAGCCAGATTTCCTTA	240	
Db	81 SerAlaLeuMetSerThrArgLeuSerIleSerTyrAspAsnProIleuSerGlnValPheLeu	100	
Qy	241 AAATGAACAGTCTTCGACACTATGACACAGCCATGTACTGTGGCCAGATCGATCT	300	
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Qy	301 ACTATGATTACGGCCCTATGCTATGACACTACTGGGGCCAAAGGACCAACCGTCC	360	
Db	121 AspTyrVal---HisTyrAlaMetAspTyrTyrProGlyGlnGlyThrSerValThrAlaSer	139	
Qy	361 TCA 363		
Db	140 Ser 140		
	RESULT 9		
	5455030-15		
	Patent No. 5455030		
	APPLICANT: LADNER, ROBERT C.; BIRD, ROBERT E.; HARDMAN, KARL		
	TITLE OF INVENTION: IMMUNOTHERAPY USING SINGLE CHAIN		
	POLYPEPTIDE BINDING MOLECULES		
	NUMBER OF SEQUENCES: 24		
	CURRENT APPLICATION DATA:		
	APPLICATION NUMBER: US/08/40,440		
	FILING DATE: 1-APR-1993		
	PRIOR APPLICATION DATA:		
	APPLICATION NUMBER: 512,910		
	FILING DATE: 25-APR-1990		
	APPLICATION NUMBER: 299,617		
	FILING DATE: 19-JAN-1989		
	APPLICATION NUMBER: 92,110		
	FILING DATE: 02-SEP-1987		
	APPLICATION NUMBER: 902,971		
	FILING DATE: 01-SEP-1986		
	SEQ ID NO:15:		
	LENGTH: 242		
	5455030-15		
	Alignment Scores:		
	Pred. No.:	2.02e-58	Length: 242
	Score:	529.50	Matches: 103
	Percent Similarity:	90.00%	Conservative: 5
	Best Local Similarity:	85.83%	Mismatches: 11
	Query Match:	78.68%	Indels: 1
	DB:	6	Gaps: 1

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QY      64      TGACACTGTCTCTGGGATTTCATTAAACAGATATGTTGACACTGGAGTTGGCCAGGCTGCA 123
Db      144    CyethValSerGlyPheSerLeuThrAsnTyrGlyValHisTyrValArgGlnProPro 163
QY      124     GGAAGAGGCTGTGAGACTGGCTGGAGTAAATATGAGCTGTGGAGGACCAATATATATTCG 183
Db      164     GlyGlyGlyLeuGlnIleTyrPheGlyValIleTyrPheGlyGlyAsnThrAsnTyrAsnSer 183
QY      184     GCTCTCATCTCCAGACTGAGCATACAGAAAGACAACTCCAGAGCCAGTTTCTTAAAA 243
Db      184     AlaLeuMetSerArgLeuSerIleSerLysAspAsnSerLysSerGlnValPheLeuLys 203
QY      244     ATGAACAGCTGTGACAGCTGATGACACACAGCCATTACTACTGTGACCAAGATGATGACTACT 303
Db      204     MetAsnSerLeuGlnIleAspAspThrAlaIleTyrTyrCysAlaLys--ArgLeuGln 222
QY      304     ATGATTACGGCCTTACGCTATGCTATGACTACTGGGGGCAAGGAGACACAGGTACCGCTCCCTCA 363
Db      223     ArgIlePheTyrTyrAlaMetAspTyrTyrPheGlnGlnTyrSerValThrValSerSer 242

RESULT 10
US-08-881-037-67
; Sequence 67, Application US/08881037
; Patent No. 6080588
; GENERAL INFORMATION:
; APPLICANT: Gluck, Gary D.
; APPLICANT: Swanson, Patrick C.
; TITLE OF INVENTION: DNA BINDING ANTIBODIES
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Morrison & Feester
; STREET: 755 Page Mill Road
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/881,037
FILING DATE: 23-JUN-1997
CLASSIFICATION: 510
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/443,540
FILING DATE: 18-MAY-1995
CLASSIFICATION: 510
ATTORNEY/AGENT INFORMATION:
NAME: Konak, Antoinette F.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 203442110710
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 813-5600
TELEFAX: (650) 494-0792
TELEX:
; INFORMATION FOR SEQ ID NO: 67:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 121 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-881-037-67
Alignment Scores: 4,84e-58 Length: 121
Pred. No.:

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QY 121 S 121  
Db 140 S 140

## RESULT 9

5455030-15  
PATENT NO. 5455030  
APPLICANT: LADNER, ROBERT C.; BIRD, ROBERT E.; HARDMAN, KARL  
TITLE OF INVENTION: IMMUNOTHERAPY USING SINGLE CHAIN  
POLYPEPTIDE BINDING MOLECULES  
NUMBER OF SEQUENCES: 24  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/40,440  
FILING DATE: 1-APR-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 512,910  
FILING DATE: 25-APR-1990  
APPLICATION NUMBER: 299,617  
FILING DATE: 19-JAN-1989  
APPLICATION NUMBER: 92,110  
FILING DATE: 02-SEP-1987  
APPLICATION NUMBER: 902,971  
FILING DATE: 01-SEP-1986  
SEQ ID NO: 15:  
LENGTH: 242  
5455030-15

Query Match 83.4%; Score 529.5; DB 6; Length 242;  
Best Local Similarity 85.8%; Pred. No. 5.7e-47;  
Matches 103; Conservative 5; Mismatches 11; Indels 1; Gaps 1;

QY 2 VOLQESGPGVLVAPSSQSLITCTVSGISLNRGVHWYROPFGKLEWLVGIWVGSTNYN 61  
Db 124 VOLKESGPGVLVAPSSQSLITCTVSGISLNRGVHWYROPFGKLEWLVGIWVGSTNYN 183  
QY 62 ALMSRLSISKDNKSKQVFLKMSLQTDPTMYCAGDRSMITAYAMDYWGCTTYTV 121  
Db 184 ALMSRLSISKDNKSKQVFLKMSLQTDPTMYCAGDRSMITAYAMDYWGCTTYTV 242

## RESULT 10

US-08-881-037-67  
Sequence 67, Application US/08881037  
Patent No. 6080588  
GENERAL INFORMATION:  
APPLICANT: Glick, Gary D.  
APPLICANT: Swanson, Patrick C.  
TITLE OF INVENTION: DNA BINDING ANTIBODIES  
NUMBER OF SEQUENCES: 113  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Morrison & Foerster  
STREET: 755 Page Mill Road  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304-1018  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/881,037  
FILING DATE: 23-JUN-1997  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/443,540  
FILING DATE: 18-MAY-1995  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: Koski, Antoinette F.

REGISTRATION NUMBER: 34,202  
REFERENCE/DOCKET NUMBER: 203442110710  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 813-5600  
TELEFAX: (650) 494-0792  
TELEX:  
INFORMATION FOR SEQ ID NO: 67:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 121 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-881-037-67

Query Match 82.8%; Score 525.5; DB 3; Length 121;  
Best Local Similarity 86.0%; Pred. No. 6.4e-47;  
Matches 104; Conservative 2; Mismatches 14; Indels 1; Gaps 1;

QY 1 VOLQESGPGVLVAPSSQSLITCTVSGISLNRGVHWYROPFGKLEWLVGIWVGSTNYN 60  
Db 1 VOLKESGPGVLVAPSSQSLITCTVSGISLNRGVHWYROPFGKLEWLVGIWVGSTNYN 60  
QY 61 SALMSRLSISKDNKSKQVFLKMSLQTDPTMYCAGDRSMITAYAMDYWGCTTYTV 119  
Db 61 SALMSRLSISKDNKSKQVFLKMSLQTDPTMYCAGDRSMITAYAMDYWGCTTYTV 120  
QY 120 S 120  
Db 121 S 121

## RESULT 11

US-08-667-769A-15  
Sequence 15, Application US/08667769A  
Patent No. 5783184  
GENERAL INFORMATION:  
APPLICANT: Ames, Robert S.  
APPLICANT: Appelbaum, Edward R.  
APPLICANT: Chaiken, Irwin M.  
APPLICANT: Cook, Richard M.  
APPLICANT: Gross, Mitchell S.  
APPLICANT: Holmes, Stephen D.  
APPLICANT: McMillan, Lynette J.  
APPLICANT: Theisen, Timothy W.  
TITLE OF INVENTION: Recombinant IL5 Antagonists Useful in  
Treatment of IL5 Mediated Disorders  
NUMBER OF SEQUENCES: 76  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SmithKline Beecham Corp./Corporate  
STREET: P.O. Box 1539-UM2220  
CITY: King of Prussia  
STATE: Pennsylvania  
COUNTRY: USA  
ZIP: 19406-0939  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/667,769A  
FILING DATE:  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/17082  
FILING DATE: 22-DEC-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/470110  
FILING DATE: 06-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/467420  
FILING DATE: 06-JUN-1995  
PRIOR APPLICATION DATA: